


# Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody ab106319

## 2 图像

### 概述

产品名称	Anti-OGT / O-Linked N-Acetylglucosamine Transferase抗体
描述	兔多克隆抗体to OGT / O-Linked N-Acetylglucosamine Transferase
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Rabbit, Horse, Cow, Dog, Pig, Gorilla, Chinese hamster, Orangutan 
免疫原	Synthetic peptide corresponding to Human OGT/ O-Linked N-Acetylglucosamine Transferase aa 500-600 conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab129221</a> )
阳性对照	This antibody gave a positive signal in both HeLa and A549 whole cell lysates and HepG2 cell line.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising

agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

**纯度** Immunogen affinity purified  
**克隆** 多克隆  
**同种型** IgG

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab106319于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
<b>WB</b>		Use a concentration of 1 µg/ml. Detects a band of approximately 116 kDa (predicted molecular weight: 116 kDa).
<b>ICC/IF</b>		Use a concentration of 5 µg/ml.

## 靶标

**功能** Addition of nucleotide-activated sugars directly onto the polypeptide through O-glycosidic linkage with the hydroxyl of serine or threonine. Mediates the O-glycosylation of MLL5 and HCFC1. Promotes proteolytic maturation of HCFC1.

**组织特异性** Highly expressed in pancreas and to a lesser extent in skeletal muscle, heart, brain and placenta. Present in trace amounts in lung and liver.

**通路** Protein modification; protein glycosylation.

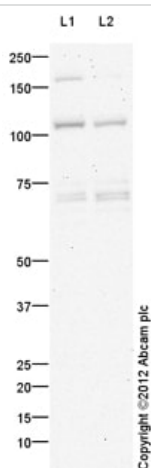
**序列相似性** Belongs to the O-GlcNAc transferase family. Contains 13 TPR repeats.

**结构域** The TPR repeat domain mediates recognition of protein substrates.

**翻译后修饰** Ubiquitinated, leading to its proteasomal degradation.

**细胞定位** Cytoplasm. Nucleus. Mostly in the nucleus.

## 图片



Western blot - Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab106319)

**All lanes** : Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab106319) at 1 µg/ml

**Lane 1** : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

**Lane 2** : A549 (Human lung adenocarcinoma epithelial cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

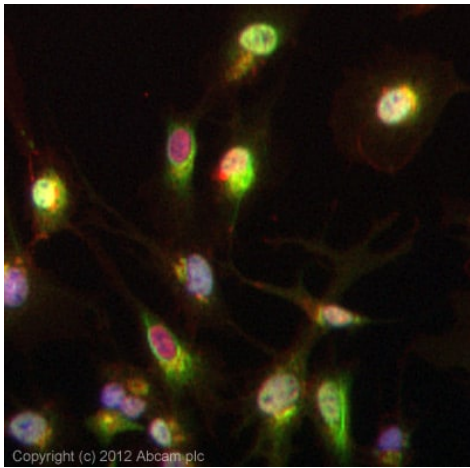
Performed under reducing conditions.

**Predicted band size:** 116 kDa

**Observed band size:** 116 kDa

**Additional bands at:** 170 kDa, 72 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 20 minutes



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Immunocytochemistry/ Immunofluorescence - Anti-OGT / O-Linked N-Acetylglucosamine Transferase antibody (ab106319)

ICC/IF image of ab106319 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab106319, 5µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96899**, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in 4% formaldehyde fixed (10 min) MCF7 cells at 5µg/ml.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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